

Second Time Around

Volunteers document in pictures their 60-day stay in air-tight JSC chamber



↑ After spending 60 days in a air-tight chamber, Team Lead Terry Tri opens the JSC chamber door in Bldg. 7 and Project Engineer Karen Meyers, Systems Engineer Fred Smith and Facilities Project Engineer David Staat emerge to greetings from outside team members from left, John Lewis and Don Henniger and family members. The four volunteers were sealed in the chamber as part of the Phase IIA-International Space Station Life Support Test.

JSC Photo 97-03471



From left Meyers and her team mates are greeted by Crew and Thermal System Division Chief Will Ellis, JSC Director George Abbey and a host of dignitaries including Skylab astronauts Bill Thornton and Karol Bobko. The new chamber record of 60 days surpasses the old record of 56 days held by the Skylab astronauts and set in September 1972 for the Skylab Medical Experiments Altitude Test.

JSC Photo 97-03468

Meyers obtains carpet particulate matter for evaluation during the test. Samples were taken twice for microbiological analysis. The team successfully completed all of the demonstration projects during the 60 days in the chamber. The crew spent its time investigating mechanical and chemical means to recycle all air and water.

JSC Photo 97-03460



Staat performs preventive maintenance on the urine treatment system. The special absorbent material is removed and regenerated every two weeks. During the test, team members provided daily status reports on the operation of the air revitalization and water recovery system, as well as crew habitability criteria.

JSC Photo 97-03466



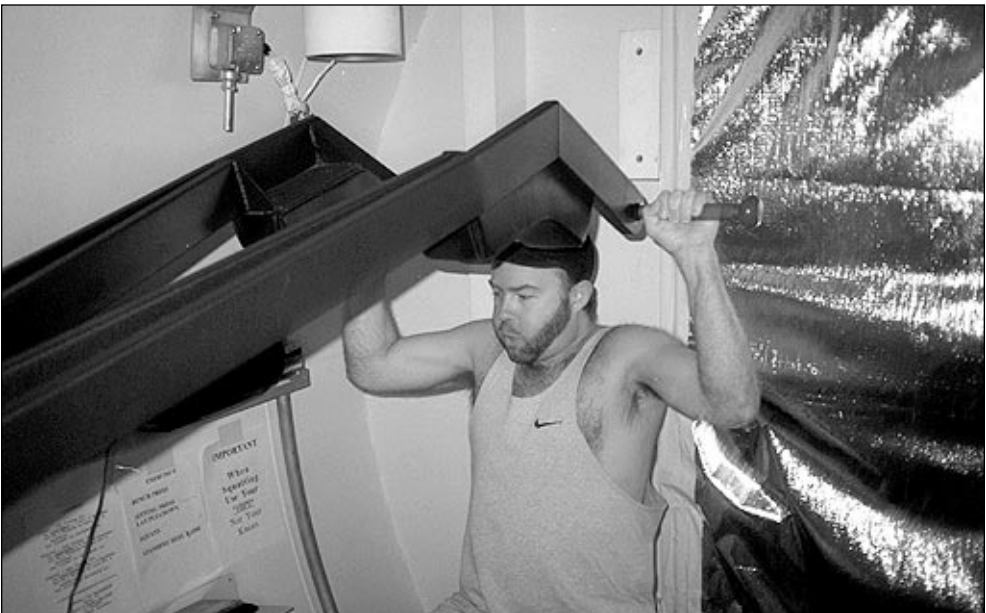
From left, Meyers and Tri take sound level measurements in the common area on the first level of the chamber. Meyer said all the tests were important so that scientists can obtain meaningful science as the space program moves toward assembly of the International Space Station and beyond.

JSC Photo 97-03470



During the 60-day test, Smith works with a Portable Clinical Blood Analyzer that was one of the 12 medical experiments the team worked on during the 60 day test. This one is a remote training tool for which the team evaluated the effectiveness of CD-ROM as a training method to use the PCBA. Smith said the test should keep the dream of returning to the Moon and Mars alive.

JSC Photo 97-03465



Tri works out on the Resistive Exercise Device. Each team member worked out three times a week to build muscle and reduce calcium loss that is evident in astronauts who spend time in space. Each volunteer agreed that a team effort was essential in completing all the objectives of the test.

JSC Photo 97-03467